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COMPILED BY

ALICE G. C. GRANDISON, B.Sc.,
MARCIA A. EDWARDS, B.Sc.,
and
PAULINE CURDS, B.Sc.

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16. AMPHIBIA

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I.—TITLES

Foreword

This list contains a record of the literature relating to the Amphibia published in the years 1959 and 1960.

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Sweden.—**Curry-Lindahl.**

Switzerland.—*Lake Zurich*, **Honegger.**

U.S.S.R.—*South Dagestan*, **Bannikov (1).**—*Kazak, S.W. U.S.S.R.*, **Iskakova.**—**Kiparisova** [Editor].—(*Preurals, vicinity of the R. Bolshaya Inta*), **Konzhukova.**—*Armenia*, **Luppa, Müller, Nicht & Tietze.**—*Georgia* (*Svanet*), **Muskhelishvili.**—(*Kazakhstan*), **Paraskiv & Butovski.**—(*Kalinin district*), **Shaposhnikov, Golovin, Sorokin & Tarakanov.**—(*R. Yarenga, Arkhangel'sk Province*), **Shishkin (1).**—*Astrakhan* (Trias), **Shishkin (2).** — *Ukraine*, **Tarashchuk.** — *Caucasus* (*Hyla arborea schelkownikowi*), **Terentyev (1).** — (Permian, Kotlassiomorpha), **V'yushkov.** — *Kyzylkum desert*, **Zakhidov.**

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Ceylon.—**Silva, P. H. D. H. de.**

India.—*Kutch*, **Soman.**—(Paleozoic), **Efremov.**

Indonesia.—*Karimundjowo, Bawean and Kangean Isles*, **Mertens (2).**—*Java and Bali*, **Church (1).**—*Bali*, **Church (2).**—*Java, Bali & Lombok*, **Church (3).**

Sarawak.—**Inger & Haile.**

Vietnam (*Vinh-Linh, Quảng-tri*), **Tien.**

AUSTRALIAN REGION AND POLYNESIA

Australia.—(Frog fauna study), **Lindgren.**—**Littlejohn & Main (2).**—**Main, Littlejohn & Lee.**—(*New South Wales*), **Watson, D. M. S.**

New Britain.—**Zweifel (4).**

New Guinea.—(*Adelbert Mts.*), **Zweifel (3).**

New Zealand.—**Stephenson, N. G.**

ETHIOPIAN REGION

Africa.—(*Rana adspersa*), **Hoesch (1).**—**Rotermundt (2).**

Central Africa.—(*Ruanda Urundi*), **Laurent, R. F.**—*Belgian Congo* (*Upemba National Park*), **Verheyen.**

East Africa.—(Permian), **Panchen (1).**—*Tanganyika* (*Ruhuhu Valley*), **Panchen (2).**

South Africa.—(*Basutoland ;* Labyrinthodontia), **Ellenberger, F. & P. (2).**—(*Karroo*), **Wager (1).**

South West Africa.—(General ecology of shifting sand dunes), **Hoesch (2).**

West Africa. — (*Ivory Coast*), **Guibé (1).** — (*Cameroons*), **Lamotte, Perret & Dzieduszycka (1).**—(*Cameroons*), **Perret (1)–(5).**—*French West Africa* (*Mt. Nimba*), **Vilter & Lugand (1) & (2).**

Ascension Island.—**Loveridge (1).**

NEARCTIC REGION

Canada.—*New Brunswick*, **Cook & Bleakney.**—*Ontario and Quebec*, **Bleakney.**—*Saskatchewan*, **Cook.**—**Nero, R.**

North America.—(*Taricha*), **Freytag (6).**

United States.—*N.C. America* (*Oedipina*), **Brame (1).**—*United States* (checklist cavernicoles), **Nicholas, G.**—†*Eastern North America* (metoposaurids, Trias), **Gregory.**

North-Eastern States.—*Appalachians*, **Huheey (2).**—*Illinois*, **Rossman (1).**—*Southern Illinois*, **Rossman (3).**—*Indiana*, **Minton (2).**—*Indiana*, **Holman (3).**—*Maryland, Delaware, Virginia, North Carolina*, **Reed, C. F. (1).**—*Thousand Islands region, New York*, **Werner.**—*Ohio*, **Dennis.**—*Ohio*, **Gehlbach (2).**—*Pennsylvania*, **Bartley.**—*Pennsylvania* (*Plethodon*), **Klein.**—*Virginia* (*Giles Co., Mountain Lake*, salamander variation), **Highton (1).**

South-Eastern States.—*Alabama* (*Auburn*, introgressive hybridization of *Hyla*), **Mecham (2).**—*Appalachians*, **Huheey (2).**—*Arkansas*, **Trapp.**—*North Carolina* (on *Pseudacris*), **Batts.**—*North Carolina*, **De Poe & Funderburg.**—*N. Carolina* (general study of *Desmognathus*), **Rehberg (1).**—*North Carolina*, **Simmons & Hardy.**—*North Carolina*, **Stevenson.**—†*Florida* (*Orange Lake*), **Holman (1).**—†*Florida* (*Williston*), **Holman (2).**—*Florida*, **Le Buff.**—*Florida*, **Riemer, W. J.**—*Florida and Georgia*, **Rossman (2).**—*Georgia*, **Crenshaw & Blair.**—*Kentucky*, **Bush (1).**—*Kentucky*, **Bush (2).**—*Louisiana*, **Shoop.**—*Louisiana* (on *Acris gryllus*), **Turner (6).**—*S.E. Louisiana and Mississippi*, **Volpe (2).**—*Mississippi*, **Brode (1).**—*Mississippi*, **Ferguson.**—*Missouri* (*Montauk State Park*), **Myers.**—*Tennessee* (*Sevier Co., Indian Gap*), **Reynolds.**

Middle and Western States.—*Arizona*, **Williams & Chrapliwy.**—*Colorado*, **Maslin (2).**—*E.S. Dakota*, **Fishbeck & Underhill (2).**—*Idaho*, **Corbit.**—*Kansas* (*Lyon County*), **Clarke, Breukelman & Andrews.**—†*Kansas* (Carboniferous, *Hesperoherpeton*), **Eaton & Stewart.**—†*Kansas* (Pleistocene), **Hibbard & Taylor.**—†*Kansas* (Permian, *Acroplous*), **Hotton (1).**—*Kansas*, **Minckley.**—*Kansas*, **Peabody (1).**—†*Kansas* (Pliocene, *Ambystoma*), **Tihen (1).**—†*Kansas, Oklahoma and Texas*, **Tihen (3).**—*Nebraska*, **Gehlbach & Collette.**—†*Nevada* (Eocene, *Eorubeta* gen. nov.), **Hecht.**—*Nevada*, **Savage (1).**—*New Mexico* (*Otero and Lincoln Co.*), **Findley.**—*New Mexico*, **Johnston & Schad.**—*New Mexico* (*Socorro Co.*), **McAlister (1).**—*New Mexico* (*Sacramento Mts.*), **Schad, Stewart & Harrington.**—*Central Oklahoma and Arkansas* (voice of *Hyla* intergrades), **Bragg, A. N. (2).**—*Oklahoma* (*Tillman Co.*), **Bragg, A. N. (7).**—*Oklahoma*, **King, O. M.**—*Oklahoma*, **Littlejohn (3).**—†*Texas* (Miocene, new salamander family), **Auffenberg (3).**—*Texas* (*Brewster Co.*), **Axtell (2).**—†*Texas* (*Friesenhahn Cave*), **Mecham (4).**—*Texas* (*Big Bend region*), **Minton (1).**—*Texas*, **Olson.**—*Texas* (general survey), **Raun.**—†*Wyoming* (Tertiary, Elk Mountain–Tabernacle Butte area), **McGrew.**—*Wyoming* (*Yellowstone Park*), **Turner (1), (2), (4) & (8).**

Pacific Coast States.—*California*, **Brattstrom (1).**—*California*, **Hunt & Bischoff.**—*California* (*San Bernardino Mts.*), **Mullally.**—*California*, **Savage (1).**—*California* (*Death Valley*), **Turner (3).**—*Oregon* (*Deschutes Co.*), **Dunlap (1).**

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Barbuda.—*British Leeward Islands*, **Auffenberg (1).**

British Honduras.—**Allen & Neill.**—**Neill & Allen (1) & (2).**

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Guatemala.—**Smith, H. M. (3).**

Mexico.—(General collecting), **Conant.**—(*Tehuantepec Isthmus*), **Duellman** (2).—(*Puebla*), **Gehlbach** (1).—(*San Luis Potosi*), **Grant & Smith** (2).—**Langebartel & Smith.**—(*Chihuahuan Desert*), **Milstead** (3).—**Rabb, G. B.** (1).—(*Chiapas*), **Rabb, G. B.** (2).—(*Baja California*), **Savage** (2).—(*Sonora*), **Smith & Hensley.**—**Webb.**—(*Tres Marias Is.*), **Zweifel** (5).

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Bolivia.—**Gans.**

Brazil.—**Lutz** (4).—**Milstead** (2).—(*Acre*), **Goin, C. J.** (3).—(*Maranhão*), **Vanzolini.**

Colombia.—**Cochran & Goin.**

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Ecuador.—*Loja Province*, **Munsterman & Leviton.**

Paraguay.—(*Phrynohyas*), **Phillips.**

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Permian.—(Stegocephalia in Moravia), **Augusta.**—(Lodève, footprints), **Doubinger & Heyler.**—(France), **Ellenberger, F. & P.** (1).—(Kansas *Acroplous*), **Hotton** (1).—**Konzhukova.**—(East Africa), **Panchen** (1).—**Panchen** (2).—(*Archeria*, skeleton), **Romer** (3).—(Sarre, Stegocephalia), **Theobald.** — (Conemaugh), **Vaughn.**—(*Kotlassiomorpha*, U.S.S.R.), **V'yushkov.**

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Note.—The arrangement here used follows in general that of Romer's " Vertebrate Paleontology ".

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ORDER GYMNOPHIONA

Caecilidae

†Apoda Oppel, 1811 (Gymnophiona aut.), families and geological ranges, **Kuhn (5).**

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†*Calamops paludosus*, Triassic, Pennsylvania, **Cramer.**—†*Chigutisaurus cacheutensis*, from the Triassic of Cacheuta, Argentina, **Rusconi (1).**—†*Chigutisaurus tenax*, important in the Triassic of Mendoza, **Minoprio.**—†*Icanosaurus rectifrons*, from the Triassic of Cacheuta, Argentina, **Rusconi (1).**—†*Kintneria brunswickii*, Triassic, Pennsylvania, **Cramer.**—†*Megapezia praesidentis* **sp. nov.** p. 204, text-figs. 1, 2; Upper Carboniferous, Westphalia [fossil footprints only], **Schmidt, H.**—†*Paracyclotosaurus* **gen. nov.** p. 237, of Stereospondyli, *P. davidi* **sp. nov.** p. 237, text-figs. 1–14; pls. 27–31; Upper Keuper, Trias, New South Wales, **Watson, D. M. S.**—†*Paracyclotosaurus davidi*, restored and mounted skeleton, Sydney district, **Fletcher, H. O.**—†*Pelorocephalus mendozaensis*, from the Triassic of Cacheuta, Argentina, **Rusconi (1).**—†*Pelosaurus longiscutatus* **sp. nov.** p. 199, text-fig. 3; pl. 1, fig. 3; pl. 2, figs. 1, 2; St.-Wendel, Sarre, Permian, **Theobald.**—†*Platyops watsoni*, figs., indicative of environmental conditions, **Buistrov.**—†Plesiopoda, **ord. nov.** p. 238, Labyrinthodontia for *Hesperoherpeton* q.v., Carboniferous, Kansas.—†Hesperoherpetonidae **fam. nov.** p. 239, of Plesiopoda **ord. nov.** for *Hesperoherpeton* q.v., Carboniferous, Kansas, **Eaton & Stewart.**—†*Hesperoherpeton* **gen. nov.** p. 571, of Cricotidae, type-sp. *H. garnettense* **sp. nov.** p. 571, text-fig. 1; Late Pennsylvanian, Kansas, **Peabody (1).**—†*Hesperoherpeton garnettense* Peabody, 1958, placed in a new order Plesiopoda and a new family Hesperoherpetonidae, order Labyrinthodontia (previously Anthracosauria, Embolomeri, Cricotidae), figs., Kansas, Carboniferous, **Eaton & Stewart.**—†*Hesperoherpeton garnettense* limb and vertebral characters ancestral to the Embolomeri, **Eaton (2).**—†*Saurerpeton*, skull structure, **Eaton (1).**—†*Stegops divaricata* neoteny, **Doubinger.**—†*Suboyclotosaurus* **gen. nov.** p. 258, of Stereospondyli, *S. brookvalensis* **sp. nov.** p. 258, text-fig. 15; Triassic, New South Wales, **Watson, D. M. S.**—†*Subcyclotosaurus brookvalensis*, complete skull from Beacon Hill quarry, Sydney, Australia, **Fletcher, H. O.**—†*Tupilakosaurus heilmani*, general notes from the Trias of Greenland, **Huene (2).**—†*Wetlugasaurus angustifrons*, pl. 51, fig. 2; text-figs. 89–91, Trias, Russia, **Ryabinin** *in* **Kiparisova** [Editor].

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(1).—†*Capitosaurus bogdoanus* text-fig. 94, Trias, Russia, **Ryabinin** *in* **Kiparisova** [Editor].—†*Cyclotosaurus mechernichensis* **sp. nov.** pp. 15, 17, Capitosauridae, pls. 1, 2; text-fig. 2; Mechernich, Bunter Triassic; **Jux & Pflug.**—†*Eupelor durus*, Triassic, Pennsylvania, **Cramer.**—†*Inflectosaurus* **gen. nov.** p. 130, Trematosauridae; type sp. *I. amplus* **sp. nov.** pp. 130, 131, f. 1–9, Bolshoi Bogdo, Astrakhan, U.S.S.R., Lower Triassic, **Shishkin (2).**—†*Lysorocephalus gwynnedensis*, Triassic, Pennsylvania, **Cramer.**—†*Mastodontosaurus durus*, Triassic, Pennsylvania, **Cramer.**—†*Metoposaurus diagnosticus*, Trias, Morocco, Atlas Mts., **Arambourg** *in* **Arambourg & Duffaud.**—†*Moenkopisaurus* **gen. nov.** of Yarengiidae p. 105, type-sp. *Cyclotosaurus* (?) *randalli* Welles, 1947; p. 105, text-fig. 3; Triassic Holbrook formation, Arizona, **Shishkin (1).**—†*Peltobatrachus*, **gen. nov.** nom. nud. p. 36, type-sp. *P. pustulatus* **sp. nov.** p. 36, Upper Permian, East Africa, **Panchen (1).**—†*Peltobatrachus* **gen. nov.** p. 210, genotype *Peltobatrachus pustulatus* **sp. nov.** p. 210, text-figs. 1–14, 15a, Lower Bone Bed, Upper Permian, Ruhuhu Valley, Tanganyika, **Panchen (2).**—†Yarengiidae **fam. nov.** of Capitosauroidea p. 99, for two new genera *Moenkopisaurus* p. 105, q.v.; and *Yarengia* p. 102. q.v.; Triassic, Arkhangel'sk Province, **Shishkin (1).**—†*Yarengia* **gen. nov.** of Yarengiidae p. 102, type-sp. *Yarengia perplexa* **sp. nov.** p. 102, text-figs. 1, 2; Triassic, River Yarenga, Arkhangel'sk Province, U.S.S.R., **Shishkin (1).**

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†Embolomeri, figs., evolution, **Lehman, J.-P. (3).**—†*Archeria*, appendicular skeleton, Permian, **Romer (3).**—†Anthracosauria Watson, 1917 (Säve-Söderbergh, 1935), families and geological ranges, **Kuhn (5).**

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†Seymouriamorpha, figs., evolution and phylogeny, **Lehman, J.-P. (3).**—†*Buzulukia* **gen. nov.** p. 90, Kotlassiidae genotype *B. buteuri* p. 90, **sp. nov.** text-figs. 1–7; pl. 1, figs. 1–5; Butsur, Permian, U.S.S.R., **V'yushkov.**—†Bystrowianidae **fam. nov.** p. 102, Kotlassiomorpha for *Bystrowiana permira* **gen. & sp. nov.** q.v., **V'yushkov.**—†*Bystrowiana* **gen. nov.** p. 103 of Bystrowianidae **fam. nov.** q.v., genotype *B. permira* **sp. nov.** p. 103, text-figs. 11–12; Byaznikov, U.S.S.R., Permian, **V'yushkov.**—†*Discosaurus moravicus*=*Melanerpeton* spp., **Augusta.**

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†Salientia Laurenti, 1768 (Anura Duméril, 1806, Euanoura Piveteau, 1937), families and geological ranges, **Kuhn (5).**

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†*Amphibamus*, skull structure, **Eaton (1).**

ORDER PROANURA

†*Protobatrachus*, skull structure, **Eaton (1).**

†Proanoura (*sic !*) Piveteau, 1937, family and geological range, **Kuhn (5).**

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Anura, probable evolution and origins among temnospondylous labyrinthodonts through *Eugyrinus*, *Amphibamus* and *Protobatrachus*, **Eaton (1).**

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Ascaphus, ontogeny of the cloacal region, development of the proctodaeum and associated structures, **Dijk (1).**—Segmentation of the pelvic region, particular attention paid to the urostyle, **Dijk (2).**—*A. truei*, Idaho range extension, **Corbit.**—Figs., myology of the hind limb, **Dunlap (2).**—Tadpole teeth, food notes, **Gosner (1).**—Evolutionary significance of lymphatic system, **Kampmeier.**—Description of embryonic brain, **Krabbe.**—Figs., larval ontogeny, **Mertens (3).**—Tadpoles, simple collecting method, **Svihla.**—Photo., ecology and general note, N. America, **Szarski (2).**

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Atelopus cruciger, coloured photo., from Rancho Grande, Venezuela, **Mertens (7).**—*A. moreirae*, significance of the paratympanic organ, **Simonetta.**

Dendrophryniscus stelzneri, Carrasco, Uruguay, **Legrand.**—Cytogenetic study of sex determination, **Saez & Brum.**

Brachycephalidae

Relationships of various brachycephalid groups. *Sminthillus* considered a Leptodactylid. Atelopodidae to include *Atelopus* and *Brachycephalus*. *Dendrobates*, *Hyloxalus* and *Phyllobates* considered as belonging to a subfamily of the Ranidae, **Griffiths (3).**

Brachycephalus ephippium, coloured photo., from Brazil, **Mertens (7).**

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Ansonia albomaculata **sp. nov.** p. 489, text-figs. 82A, 87, 88B; 1,400–2,000 ft., Baleh River, Third Division Sarawak, **Inger (1).**—*A. hanitschi* **sp. nov.** p. 484, fig. 85; Kadamaian river 4,200 ft., Mount Kina Balu, N. Borneo, **Inger (1).**—*A. leptopus*, range, Sarawak and W.N. Borneo (Kina Balu area), general notes, **Inger (1).**—*A. longidigita longidigita* **subsp. nov.** p. 480, figs. 81C, 83B, 84A; 4,200 ft., Mount Kina Balu, N. Borneo; *A. l. gryllivoca* **subsp. nov.** p. 483, fig. 84B; Sungai Tawan, Kalabakan River, Tawau District, N. Borneo, **Inger (1).**—*A. mcgregori*, range, Zamboanga Prov., Mindanao, general notes, **Inger (1).**—*A. malayana* **sp. nov.** p. 477, fig. 81B; 4,000 ft., Larut Hills, Perak, Malaya, **Inger (1).**—*A. minuta* **sp. nov.** p. 493, text-figs. 81A, 82B, 89, 90; 450 ft.; Matang, First Division, Sarawak, **Inger (1).**—*A. muelleri*, range, Mindanao, from Zamboanga to Davao; general remarks, **Inger (1).**—Range, Mindanao Is., Philippines, **Rabor & Alcala.**—*A. ornata*, range, southwestern peninsula, India, general remarks, **Inger (1).**—*A. penangensis*, range, Penang Island, general remarks, **Inger (1).**—*A. platysoma* **sp. nov.** p. 487, text-fig. 86, Luidan river, Bundu Tuhan 3,300 ft., Mt. Kina Balu, N. Borneo, **Inger (1).**

Bufo, genetic compatibility and species groups in U.S. toads, **Blair (2).**—*Bufo*, species and subspecies examined and rotained in this genus, *fenouelheti obtusum, lonnbergi nairobiensis, melanopleura, parkeri, taitanus nyikae, veriebralis* and *vittatus*, **Tihen (5).**—*Bufo*, from the Andes, **Vellard (3).**

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Bufo andersonii, from Kutch, India, **Soman.**

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Bufo arenarum, hypophysis and ovulation, **Allende & Orias.**—Reactions of testis to injections of homogenized embryonic cells, **Barbieri, Rengel & Mariano.**—Seroproteins of Argentine populations studied by paper electrophoresis, **Bertini & Cei.**—Action of progesterones on the oviduct, **Blaquier.**—Volume of urine excreted by isolated kidneys, **Bonet.**—Effect of purified FSH and LH on the gonad after metamorphosis, **Burgos & Pisanó.**—Analysis by paper chromatography of somatic organs, **Capurro & Silva (1).**—Ecological and physiological observations on polymorphic populations, **Cei (1).**—Action of steroids on ovulation, **Corral.**—Action of thyroid hormones on metabolism in females, **Donoso & Trivelloni (1).**—Thyroid function studied by radioactive iodine, **Donoso & Trivelloni (2).**—Liberation of glucose by perfused liver, **Flores.**—Action of hypoglycemic sulphamides, **Houssay & Penhos.**—Abundant at Carrasco, Uruguay, **Legrand.**—Regulation of blood amylase, **Levin, E. & R. W. de.**—Hormonal control of oviducal secretion, **Lodge & Smith.**—Regulation of spermatogenesis, **Oordt, P. G. W. J. van.**—Glycemia and glucose liberation by perfused liver, **Perassi.**—History in Florida, **Riemer, W. J.**—Cytogenetic study of sex determination, **Saez & Brum.**—Increase in weight by retention of urine after injection of vasoconstrictors, **Uranga (3).**—Absorption of water by blood vessels, **Uranga & Quintana.**

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Rhinodermatidae

Life histories and larval development, **Goin, C. J. (4)**.

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Rhinoderma darwinii photo., from Chile, **Mertens (7)**.

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†*Eorhinophrynus* **gen. nov.** p. 130, of Rhinophrynidae genotype *E. septentrionalis* **sp. nov.** p. 130, pl. 50, figs. 1–3 ; locality 5 ; Late Bridgerian Middle Eocene, Tabernacle Butte, Wyoming, **Hecht** *in* **McGrew.**

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†*Neoscaphiopus* synonym of *Spea*, *N. noblei* Taylor synonym of *Scaphiopus diversus*, Pliocene, Kansas, **Tihen (6)**.

Scaphiopus sp., distal end of femur found in owl-pellets, N.E. Chihuahua, **Anderson & Ogilvie.**—†*Scaphiopus* sp., Texas, Friesenhahn Cave; Pleistocene, **Mecham (4)**.—*Scaphiopus*, in Saskatchewan, **Nero, R.**—*S. bombifrons*, mating call recorded, influence of sound on behaviour **Bogert.**—Clasping reflex in juveniles, **Bragg, A. N. (4)**.—Dimorphism and cannibalism, in Tillman Co., Oklahoma, **Bragg, A. N. (7)**.—Tadpoles influence each other in feeding movements, experimental study, **Bragg, A. N. (10)**.—*S.* (*Spea*) *bombifrons*, variations in tadpole mouthparts, figs., **Bragg, A. N. & W. N.**—*S. bombifrons*, aggregational and associated behaviour, **Bragg & King.**—New locality records from Saskatchewan, **Cook.**—Range, South Dakota, **Fishbeck & Underhill (1) & (2)**.—*S. bombifrons*, *S. hammondi* and *S. holbrooki*, albinism records, N. America, **Hensley.**—*S. bombifrons*, mating behaviour, eggs and general study, Kansas, **Hoyt.**—Development, size range and ecology from Oklahoma, **King, O. M.**—Range, Kansas, **Legler.**—Calling in a *Scaphiopus–Bufo* breeding chorus, **McAlister (1)**.—Fort Union, Roosevelt Co., Montana; *S. hammondi*, Fort Reading, Redding, Shasta Co., California; range, accounts and records, Colorado, **Maslin (2)**.—*S. couchi*, ecology and distribution, Brewster Co., Texas, **Axtell (2)**.—Photo. of inguinal amplexus, influence of sound on behaviour, **Bogert.**—Feeding on *Bulimulus dealbatus*, Hays Co., Texas, **Olson.**—Calling in a *Scaphiopus–Bufo* breeding chorus, **McAlister (1)**.—*S. couchi* and *S. hammondi hammondi*, Big Bend region, Texas, **Minton (1)**.—*S. couchii* and *S. hammondii*, Baja California, peninsula herpetofaunal study, **Savage (2)**.—*S. hammondi* recording of mating call, influence of sound on behaviour, **Bogert.**—Comparative myology of the hind limb, **Dunlap (2)**.—Range, distribution and description, habits and figs., Los Angeles, **Hill, H. R.**—*S. hammondi* calling in a *Scaphiopus–Bufo* breeding chorus, **McAlister (1)**.—Larval mouth structure and ontogeny, **Mertens (3)**.—*S. hammondi hammondi*, ecology and distribution, Brewster Co., Texas, **Axtell (2)**.—*S. holbrooki*, behaviour of ♀ towards call of ♂, **Axtell (1)**.—Tadpole teeth, food notes, **Gosner (1)**.—†*Scaphiopus holbrooki*, 7 ilia from Orange Lake, Florida, Pleistocene, **Holman (1)**.—†*Scaphiopus holbrooki*, Wisconsin, Pleistocene, Citrus Co., Florida, **Holman (2)**.—*S. holbrooki*, locality records in Florida, **LeBuff.**—Additional records, Indiana, **Minton (2)**.—Growth rate, maximal size and time of maturity, **Turner (7)**.—*S. h. holbrooki*, *in vitro* ovulation, **Hansen (1)**.—*S. holbrooki hurteri*, tadpole behaviour during an exceptionally rainy season, **Bragg, A. N. (1)**.—*S. hurteri*, Ottine marshes, Gonzales Co., Texas, **Raun.**—*Scaphiopus* (*Spea*) *multiplicatus*, *S. hammondi*, *S. bombifrons*, *S. intermontanus*, *S. couchi*, *S. hurteri* and *S. holbrooki*, vocal structures and method of call production, **McAlister (2)**.

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Scaphiopus hammondi × *S. bombifrons*, recording of mating call, influence of sound on behaviour, **Bogert.** *S. hammondi* × *S. bombifrons* artificial hybridization, **Littlejohn (1)**.

†*Spea alexanderi* Lower Pliocene, Nevada; *S. diversus* (=*Neoscaphiopus noblei*) Upper Pliocene, Kansas; *S. pliobatrachus* (=*Scaphiopus antiquus*) Middle Pliocene, Kansas; *S. studeri*, Middle Pliocene; *S. bombifrons* Pliocene, Meade Co., Kansas, **Tihen (6)**.—*Spea hammondi multiplicatus*, San Luis Potosi, Mexico, **Grant & Smith (2)**.—*Spea intermontanus*, locality records for Arizona, **Williams, K. L.**